IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	**Group Art Unit: 2857**
Hassan Mostafavi	**Examiner:** Desta, Elias
Serial No.: 10/664,534	
Filed: September 16, 2003	
For: METHOD AND SYSTEM FOR PREDICTIVE PHYSIOLOGICAL GATING OF RADIATION THERAPY	

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR § 1.97 and 1.98, the items identified in this Information Disclosure Statement ("IDS") are brought to the attention of the Office. The items are listed on the attached form PTO/SB/08A (08-00) are enclosed. Copies of U.S. Patents are not enclosed, pursuant to the U.S. Patent and Trademark Office waiver of this requirement under 37 CFR § 1.98 (a)(2)(i) for patent applications filed after June 30, 2003. Other references have been previously provided the U.S. Patent Office for the parent application, U.S. Patent application, S.N. 09/178,383 (now U.S. Patent No. 6,621,889) and related patent application S.N. 09/893,122.

The items identified in this IDS may or may not be "material" pursuant to 37 CFR § 1.56. The submission thereof by Applicant is not to be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 CFR § 1.97(h)), or even qualifies as "prior art" under 35 USC § 102 with respect to this invention unless specifically designated by Applicant as such.

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Carolyn Tobias
Name of Person transmitting Paper

Carolyn Tobias
Signature of Person depositing Paper

June 18, 2004
Date of deposit

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INFORMATION DISCLOSURE STATEMENT FILING PROVISION:

☐ This IDS is believed to be timely in that it is being submitted under 37 CFR § 1.97(b), that is (1) within three months of the filing date of the application, which is not a continued prosecution application filed under § 1.53(d) or (2) within three months of entry of the national stage as set forth in 37 CFR § 1.491; or (3) before the mailing of a first Office action on the merits; or (4) before the mailing of a first Office action after filing a request for continued examination under § 1.114. Thus, no fee is required.

- ☐ However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and charge the fee due under 37 CFR §1.17(p) to the deposit account referenced below.
- ☐ However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and a statement under 37 CFR § 1.97(e) is included below, thus no fee is required.

☒ This IDS is being submitted under 37 CFR § 1.97(c), that is after mailing of a first Office action on the merits, but before a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311.

- ☒ The fee due under 37 CFR § 1.17(p) is submitted herewith.
- ☐ A statement under 37 CFR § 1.97(e) is included below, thus no fee is required. In the event that this IDS is not received before a Final Action or a Notice of Allowance, then Applicant respectfully requests that the Office consider the filing of these papers to be submitted under 37 CFR § 1.97(d) and charge the fee due under 37 CFR § 1.17(p) to the deposit account below.

☐ This IDS is being submitted under 37 CFR § 1.97(d), that is after a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311, but before payment of the issue fee. A statement under 37 CFR § 1.97(e) is included below. The fee due under 37 CFR § 1.17(p) is submitted herewith.

STATEMENT UNDER 37 CFR § 1.97(e):

☐ Each item contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.

☐ No item contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this statement after

making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this IDS.

PAYMENT AND/OR AUTHORIZATION TO CHARGE FEES:

☐ A check in the amount of _____ is enclosed for the above fee(s).

☒ Please charge **$180.00** to Deposit Account No. **50-2518, billing No. VM17010733002,** for the above fee(s).

☐ Although applicant believes no fee is required, the Commissioner is authorized to charge any fees required by the filing of these papers, and to credit any overpayment to Bingham McCutchen's Deposit Account No. **50-2518, billing No. VM17010733002**.

Respectfully submitted,
BINGHAM McCUTCHEN LLP

Dated: June 18, 2004

By: _____
Gerald Chan
Reg. No. 51,541

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 6

Complete if Known	
Application Number	10/664,534
Filing Date	09/16/2003
First Named Inventor	HASSAN MOSTAFAVI
Group Art Unit	2857
Examiner Name	DESTA, ELIAS
Attorney Dkt No.	VM7010733002

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number – Kind Code[2] (if known)	Publication Date MM-DD-YY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-3,861,807 A	1/1975	Lescrenier	
	AB	US-3,871,360 A	3/1975	Van Horn et al.	
	AC	US-3,952,201 A	4/1976	Hounsfield	
	AD	US-4,031,884 A	6/1977	Henzel	
	AE	US-4,262,306 A	4/1981	Renner	
	AF	US-4,463,425 A	7/1984	Hirano et al.	
	AG	US-4,994,965 A	2/1991	Crawford et al.	
	AH	US-5,080,100 A	1/1992	Trotel	
	AI	US-5,271,055 A	12/1993	Hsieh	
	AJ	US-5,279,309 A	1/1994	Taylor et al.	
	AK	US-5,295,483 A	3/1994	Nowacki et al.	
	AL	US-5,315,630 A	5/1994	Sturm et al.	
	AM	US-5,389,101 A	2/1995	Heilbrun et al.	
	AN	US-5,394,875 A	3/1995	Lewis et al.	
	AO	US-5,446,548 A	8/1995	Gerig et al.	
	AP	US-5,538,494 A	7/1996	Matsuda	
	AQ	US-5,582,182	12/10/96	Hillsman	
	AR	US-5,603,318 A	2/1997	Heilbrun et al.	
	AS	US-5,727,554 A	3/1998	Kalend et al.	
	AT	US-5,764,723 A	6/1998	Weinberger	
	AU	US-5,784,431 A	7/1998	Kalend et al.	
	AV	US-5,823,192 A	10/1998	Kalend et al.	
	AW	US-5,836,954 A	11/1998	Heilbrun et al.	
	AX	US-5,954,647	09/21/99	Bova et al.	
	AY	US-6,138,302 A	10/2000	Sashin et al.	

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	AZ	US-6,146,390 A	11/2000	Heilbrun et al.	
	BA	US-6,165,181 A	12/2000	Heilbrun et al.	
	BB	US-6,185,445 B1	2/2001	Knüttel	
	BC	US-6,185,446 B1	2/2001	Carlsen, Jr.	
	BD	US-6,198,959 B1	3/2001	Wang	
	BE	US-6,501,981	12/2002	Schweikard et al.	

FOREIGN PATENT DOCUMENTS

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	BF	DE 43 41 324 A 1	06/08/95			
	BG	79458 - Finland	09/29/89			
	BH	WO 98/16151 - PCT	04/23//98			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	BI	Balter, J.M., et al.; "Uncertainties In CT-Based Radiation Therapy Treatment Planning Associated With Patient Breathing"; *Int. J. Radiat. Oncol., Biol., Phys. 36*; pp. 167-174 (Aug. 1996).
	BJ	Bellenger, N.G., et al.; "Left Ventricular Quantification In Heart Failure By Cardiovascular MR Using Prospective Respiratory Navigator Gating; Comparison With Breath-Hold Acquisition"; *J. Magn. Reson. Imaging* 11; pp. 411-417; (April 2000).
	BK	Cho, K., et al.; "Development Of Respiratory Gated Myocardial SPECT System", *J. Nucl. Cardiol.* 6; pp. 20-28; (Jan./Feb. 1999),
	BL	Davies, S.C., et al.; "Ultrasound Quantitation Of Respiratory Organ Motion in The Upper Abdomen"; *Br. J. Radiol. 67*; pp. 1096-1102 (Nov. 1994).

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First Named Inventor	**HASSAN MOSTAFAVI**
Group Art Unit	**2857**
Examiner Name	**DESTA, ELIAS**
Attorney Dkt No.	**VM7010733002**

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	BM	Ehman, R.L., et al.; "Magnetic Resonance Imaging With Respiratory Gating: Techniques and Advantages; *Am. J. Roentgenol 143*; pp. 1175-1182 (Dec. 1984).
	BN	Fröhlich, H., et al.; "A Simple Device For Breath-Level Monitoring During CT"; *Radiology 156*; p. 235 (Jul. 1985).
	BO	Johnson, L.S., et al.; "Initial Clinical Experience With A Video-Based Patient Positioning System"; *Int. J. Radiat. Oncol., Biol. Phys.* 45; pp. 205-213; (August 1999).
	BP	Hanley, J., et al., "Deep Inspiration Breath-Hold Technique For Lund Tumors: The Potential Value of Target Immobilization And Reduced Lund Density In Dose Escalation"; *Int. J. Radiat. Oncol., Biol. Phys.* 45; pp. 603-611 (October 1999).
	BQ	Henkelman, R.M., et al.; "How Important Is Breathing In Radiation Therapy Of The Thorax?"; *Int. Radiat. Oncol., Biol., Phys. 8*; pp. 2005-2010 (November 1982).
	BR	Hofman, M.B.M., et al.; "MRI Of Coronary Arteries: 2D Breath-Hold vs. 3D Respiratory-Gated Acquisition"; *J. of Comp. Assisted Tomography 19*; pp. 56-62 (Jan./Feb. 1995).
	BS	Iwasawa, Tae, et al.; "Normal In-Plane Respiratory Motion of the Bilateral Hemidiaphragams Evaluated By Sequentially Subtracted Fast Magnetic Resonance Images"; *Journal of Thoracic Imaging*; 1999; Vol. 14, No. 2; pp. 130-134.
	BT	Jolesz, Ference A.; "Imaging-Guided Procedures and the Operating Room of the Future"; *Radiology; SPL Technical Report # 48*; May 1997; 204; 601-612.
	BU	Kachelriess, Marc, et al.; "Electrocardiogram-correlated Image Reconstruction From Subsecond Spiral Computed Tomography Scans Of The Heart"; *Med. Phys. 25* (12); December 1998, pp. 2417-2431.
	BV	Keatley, Eric, et al.; "Computer Automated Diaphragm Motion Quantification in a Fluoroscopic Movie"; *Dept. of Medical Physics, Memorial Sloan-Kettering Cancer Center*, New York; 3 pps.
	BW	Kim, W.S., et al.; "Extraction of Cardiac and Respiratory Motion Cycles by Use of Projection Data and Its Applications to MNR Imaging"; *Magnetic Resonance in Medicine 13*; 1990; pp. 25-37.
	BX	Korin, H.W., et al.; "Respiratory Kinematics Of The Upper Abdominal Organs: A Quantitative Study"; *Magn. Reson. Med. 23*; pp. 172-178 (January 1992).
	BY	Kubo, H. Dale, et al.; "Breathing-Synchronized Radiotherapy Program at the University of California David Cancer center"; *Med. Phys. 27 (2)*; February 2000; pp. 246-353.
	BZ	Kubo, H.D., et al.; "Compatibility Of Varian 2100C Gated Operations With Enhanced Dynamic Wedge And IMRT Dose Delivery"; *Med. Phys.* 27; pp. 1732-1738; (August 2000).
	BAA	Kubo, H. Dale, et al.; "Potential and Role of a Prototype Amorphous Silicon Array Electronic Portal Imaging Device in Breathing Synchronized Radiotherapy"; *Med. Phys. 26(11)*; November 1999; pp. 2410-2414.
	BBB	Kubo, H.D., et al.; "Respiration Gated Radiotherapy Treatment: A Technical Study"; *Phys. Med. Biol. 41*; pp. 83-91; (1996).

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Sheet 4 of 6

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First Named Inventor	HASSAN MOSTAFAVI
Group Art Unit	2857
Examiner Name	DESTA, ELIAS
Attorney Dkt No.	VM7010733002

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
	BCC	Kutcher, G.J., et al.; "Control, Correction, and Modeling Of Setup Errors and Organ Motion", *Semin. Radiat. Oncol. 5*; pp. 134-145 (April 1995).
	BDD	Lethimonnier et al.; "Three-Dimensional Coronary Artery MF Imaging Using Prospective Real-Time Respiratory Navigator And Linear Phase Shift Processing: Comparison With Conventional Coronary Angiography", *Magn. Reson. Imaging* 17; pp. 1111-1120; (1999).
	BEE	Lewis, C.E., et al.; "Comparison Of Respiratory Triggering And Gating Techniques For The Removal Of Respiratory Artifacts In MR Imaging"; *Radiology 160*; pp. 803-810; (September 1986).
	BFF	Li, Debiao, et al.; "Coronary Arteries: Three-dimensional MR Imaging With Retrospective Respiratory Gating"; *Radiology*; December 1996; Vol. 201; No. 3.; pp. 857-863.
	BGG	Luker, Gary D., et al.; "Ghosting of Pulmonary Nodules With Respiratory Motion: Comparison of Helical and Conventional CT Using an In Vitro Pediatric Model"; *AJR:167*; November 1996; pp. 1189-1193.
	BHH	Mageras, Gig, et al.; "Initial Clinical Evaluation Of A Respiratory Gating Radiotherapy System"; *Dept. of Medical Physics, Memorial Sloan-Kettering Cancer Center*, New York; 4 pps.
	BII	Mageras, G.S.; "Interventional Strategies For Reducing Respiratory-Induced Motin In External Beam Therapy"; The Use of Computers In Radiation Therapy XIIIth International conference, Heidelberg, German; pp. 514-516; (May 2000).
	BJJ	Mageras, G. S., et al.; "Respiratory Motion-Induced Treatment Uncertainties"; *Patras Medical Physics 99-VI International Conference On Medical Physics, Monduzzi Editore*; pp. 33-39; (September 1999).
	BKK	Mah, D., et al.; "Technical Aspects Of The deep Inspiration Breath Hold Technique In The Treatment Of Thoracic Cancer"; *Int. J. Radiat. Oncol., Biol. Phys.* 48; pp. 1175-1185; (November 2000).
	BLL	Mah, Katherine, et al.; "Time Varying Does Due To Respiratory Motion During Radiation Therapy Of The Thorax"; *Proceedings of the Eighth Int'l Conference on the Use of Computers In Radiation Therapy*; Toronto, Canada; July 9-12, 1984; pp. 294-298.
	BMM	Malone, S., et al.; Respiratory-Induced Prostate Motion: Quantification And Characterization", *Int. J. Radiato. Oncol., Biol., Phys.* 48; pp. 105-109; (August 2000).
	BNN	Moerland, M.A., et al.; "The Influence Of Respiration Induced Motion Of The Kidneys On The Accuracy Of Radiotherapy Treatment Planning, A Magnetic Resonance Imaging Study", *Radiotherapy Oncol. 30*, pp. 150-154 (1994).
	CA	Mori, Masayuki, et al.; "Accurate Contiguous Sections Without Breath-Holding On Chest CT: Value of Respiratory Gating and Ultrafast CT"; *AJR:162*, May 1994; pp. 1057-1062.
	CB	Ohara, K., et al.; "Irradiation Synchronized With Respiration Gate"; *Int. J. Radiat. Oncol., Biol. Phys.* 17; pp. 853-857; (October 1989).
	CC	Oshinski, J.N., et al.; "Two-Dimensional Coronary MR Angiography Without Breath Holding"; *Radiology* 201; pp. 737-743; (December 1996).

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First Named Inventor	HASSAN MOSTAFAVI
Group Art Unit	2857
Examiner Name	DESTA, ELIAS
Attorney Dkt No.	VM7010733002

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
	CD	Paivansalo Suramo, M., et al.; "Cranio-caudal Movements Of The Liver, Pancreas And Kidneys In Respiration", *Acta Radiol. Diagn. 2*; pp. 129-131; (1984).
	CE	Peltola, Seppo M.Sc.; "Gated Radiotherapy To Compensate For Patient Breathing"; *Proceedings of the Eleventh Varian Users Meeting*; Macro Island, Florida; May 11-13, 1986.
	CF	Ramsey, C.R., et al.: "A Comparison Of Beam Characteristics For Gated and Nongated Clinical X-Ray Beams":, *Med. Phys. 26*; pp. 2086-2091; (October 1999).
	CG	Ramsey, C.R., et al.; "Clinical Efficacy Of Respiratory Gated Conformal Radiation Therapy", *Medical Dosimetry* 24; pp. 115-119; (1999).
	CH	Ritchie, Cameron J., et al.; "Predictive Respiratory Gating: A New Method To Reduce Motion Artifacts on CT Scans"; *Radiology*; 1994; pp. 847-852; Vol. 190; No. 3.
	CI	Robinson, Terry E., et al.; "Standardized High-Resolution CT of the Lung Using a Spirometer-Triggered Electron Beam CT Scanner"; *AJR: 172*; June 1999; pp. 1636-1638.
	CJ	Rogus, R.D., et al.; "Accuracy Of A Photogrammetry-based Patient Positioning and Monitoring System For Radiation Therapy"; *Med. Phys.* 26; pp. 721-728; (May 1999).
	CK	Rosenzweig, K.E., et al.; "The Deep Inspiration Breath Hold Technique In The Treatment Of Inoperable Non-Small Cell Lung Cancer"; *Int. J.Radiat. Oncol., Biol., Phys.* 48; pp. 81-87; (August 2000).
	CL	Ross, C.S., et al.; "Analysis Of Movement Of Intrathoracic Neoplasms Using Ultrafast Computerized Tomography"; *Int. J. Radiat. Oncol., Biol., Phys.* 18; pp. 671-677; (March 1990).
	CM	Runge, V.M., et al.; "Respiratory Gating In Magnetic Resonance Imaging at 0.5 Tesla",; *Radiology 151*; pp. 521-523; (May 1984).
	CN	Sachs, T.S., et al.; "Real-Time Motion Detection In Spiral MRI Using Navigators", *Magn. Reson. Med.* 32; pp. 639-645; (November 1994).
	CO	Schwartz, L.H., et al.; "Kidney Mobility During Respiration"; *Radiother. Oncol.* 32; pp. 84-86; (1994).
	CP	Shirato, H., et al.; "Four-Dimensional Treatment Planning And Fluroscopic Real-Time Tumor Tracking Radiotherapy For Moving Rumor"; *Int. J. Radiat. Oncol., Biol., Phys.* 48; pp. 435-442; (September 2000).
	CQ	Sinkus, Ralph, et al.; "Motion Pattern Adapted Real-Time Respiratory Gating"; *Magnetic Resonance in Medicine 41*; 1999; pp. 148-155.
	CR	Solberg, Timothy D., et al.; "Feasibility of Gated IMRT"; 3 pps.
	CS	Tada, Takuhito, et al.; "Lung Cancer: Intermittent Irradiation Synchronized With Respiratory Motion-Results Of A Pilot Study"; *Radiology*; June, 1998; Vol. 207; No. 3; pp. 779-783.
	CT	van Geuns, R.J., et al.; "Magnetic Resonance Imaging Of The Coronary Arteries; Clinical Results From Three Dimensional Evaluation Of A Respiratory Gated Technique"; *Heart* 82; pp. 515-519; (October 1999).

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	CU	Wang Yi, et al.; "Implications For The Spatial Resolution in Coronary Imaging"; *Magnetic Resonance in Medicine 33*; 1995; pp. 713-719.
	CV	Weiger, Markus, et al.; "Motion-Adapted Gating Based on k-Space Weighting For Reduction of Respiratory Motion Artifacts"; *Magnetic Resonance in Medicine 38*; 1997; pp. 332-333.
	CW	Woodard, Pamela K., et al.; "Detection of Coronary Stenoses on Source and Projection Images Using Three-Dimensional MR Angiography With Retrospective Respiratory Gating: Preliminary Experience"; *AJR:170*; April 1998; No. 4; pp. 883-888.
	CX	Wong, John W., et al.; "The Use Of Active Breathing Control (ABC) To Reduce Margin For Breathing Motion"; *Int. J. Radiation Oncology Biol. Phys.*; 1999; Vol. 44; No. 4; pp. 911-919
	CY	Yorke, Ellen, et al.; "Respiratory Gating Of Sliding Window IMRT"; *Dept. of Medical Physics, Memorial Sloan-Kettering Cancer Center*, New York, 4 pps.
	CZ	Yuan, Q., et al.; "Vardiac-Respiratory Gating Method For Magnetic Resonance Imaging Of The Heart"; *Magn. Reson. Med.* 43; pp. 314-318; (February 2000).

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